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**From:** Holman, Sheila [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=94A3F69674D34B769B3BD834A97105C5-SCHOLMAN]  
**Sent:** 7/28/2017 2:22:30 PM  
**To:** Paul Lawler [Paul.Lawler@wilmingtonnc.gov]; Whichard, Jordan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=74dd092206c444068d5e418de007776a-djwhichard]  
**Subject:** Re: MEMO: Water Quality State Action Items

Paul,

Thank you for your message. DEQ has asked EPA to analyze all the water quality samples for the same suite of fluorocarbons in Dr. Knappe's study. We expect those results in mid to late August. This will help us understand whether the diversion of the waste stream from the vinyl ether production line at Chemours also reduced the release of these other compounds. Additionally, DHHS is reaching out to the federal partners - EPA, CDC, and NIEHS - as well as universities to gather any and all health studies that have been done on these other compounds. DEQ and DHHS will also ask the Science Advisory Board for help on understanding the potential health effects of these compounds. Finally, we are reviewing the Chemours NPDES permit and other permits to better assess the all the sources of these compounds and to determine appropriate next steps. Please let me know if you have additional questions.

Sheila

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**From:** Paul Lawler <Paul.Lawler@wilmingtonnc.gov>  
**Sent:** Thursday, July 27, 2017 4:19 PM  
**To:** Whichard, Jordan  
**Cc:** Holman, Sheila  
**Subject:** Re: MEMO: Water Quality State Action Items

Jordan,

Thank you for the follow up on my email.

Hi Sheila,

Thank you for your assistance on our water problems here along the lower Cape Fear. We met briefly when you visited Wilmington for the closed meeting with Chemours. I joined the group for the post meeting briefing.

My email to Jordan concerned the fluorocarbons beyond GenX. The StarNews has reported fulsomely about that one chemical. However Detlef Knappe's research tells us that it is only about one-half of one percent of the fluorocarbon load here and his support materials indicate that it is just under 6% of the molecular weight of fluorocarbons in his tests. I don't want to lose sight of that other 95%.

I write to urge the relevant authorities in their actions, including the review of the NPDES permit, address all of the fluorocarbons in the Cape Fear River.

As an aside: Wilmington's City Council adopted a resolution decrying Chemours' action. In it we invited Chemours representatives to visit Wilmington and explain their course of action and hear from area residents. The Mayor followed up with a letter to Chemours inviting them to visit. I believe it would be in Chemours, and everyone's interest, for the company to appear. Sure, some folks would share their frustration. But a presentation would go a long way to address local concerns and provide Chemours with an opportunity their interest in resolving this issue.

Thank you for all you are doing.

Paul

Paul Lawler  
Wilmington City Council  
910.679.6125

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**From:** Whichard, Jordan <Jordan.Whichard@nc.gov>  
**Sent:** Thursday, July 27, 2017 2:51:29 PM  
**To:** Paul Lawler  
**Cc:** Holman, Sheila  
**Subject:** RE: MEMO: Water Quality State Action Items

Paul,

I also want to connect you with Sheila Holman, Assistant Secretary for the Environment at DEQ. Sheila can provide you some insight on the agency's work on compounds beyond GenX.

Thanks!  
Jordan

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**From:** Whichard, Jordan  
**Sent:** Wednesday, July 26, 2017 5:52 PM  
**To:** 'Paul Lawler' <Paul.Lawler@wilmingtonnc.gov>  
**Subject:** RE: MEMO: Water Quality State Action Items

Thanks Paul, I will definitely pass along your thanks to the Governor.

You're right, the Governor's comments did focus primarily on GenX. DEQ is also paying attention to other compounds, and that has also been a theme of conversations between folks at the state level and with US EPA.

I appreciate your insight, and please don't hesitate to share more as the situation continues to evolve.

Thanks so much,  
Jordan

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**From:** Paul Lawler [<mailto:Paul.Lawler@wilmingtonnc.gov>]  
**Sent:** Wednesday, July 26, 2017 4:47 PM  
**To:** Whichard, Jordan <[Jordan.Whichard@nc.gov](mailto:Jordan.Whichard@nc.gov)>  
**Subject:** Re: MEMO: Water Quality State Action Items

Jordan,

Please pass along my thanks to the Governor for his presentation Monday. Folks seem much more satisfied now that they know the State agencies are engaged.

In his comments he focused on GenX. That's certainly the chemical that has received the most attention around here. However, it is only one of a range of fluorocarbons in the Cape Fear River. NC State Professor Detlef Knappe estimates GenX represents only one-half of one percent of the load in the Cape Fear River. His supplemental data sheet shows that GenX is just under 6% based on molecular weight. By any measure GenX is only a small portion of the issue.

DEQ needs to address all the fluorocarbons in their regulatory action.

Thank you.

Paul

**Paul Lawler**  
Wilmington City Council  
(910) 679-6125

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**From:** Whichard, Jordan <[Jordan.Whichard@nc.gov](mailto:Jordan.Whichard@nc.gov)>  
**Sent:** Monday, July 24, 2017 2:11:26 PM  
**To:** Paul Lawler  
**Cc:** Tony McEwen; Bill Saffo  
**Subject:** FW: MEMO: Water Quality State Action Items

Hey Paul,

Passing along the Action Items that the Governor discussed today, and including Mayor Saffo and Tony as well. Thank you all for your support today, and let us know how we can help as we all move forward together on these issues.

Thanks,  
Jordan

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**Office of the Governor**  
[governor.nc.gov](http://governor.nc.gov)

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**From:** Governor Cooper's Press Office [<mailto:govpress@nc.gov>]  
**Sent:** Monday, July 24, 2017 10:40 AM  
**To:** Whichard, Jordan <[Jordan.Whichard@nc.gov](mailto:Jordan.Whichard@nc.gov)>  
**Subject:** MEMO: Water Quality State Action Items

TO: Interested Parties  
FROM: Office of Governor Roy Cooper  
DATE: July 24, 2017  
RE: Water Quality State Action Items

In June, Governor Cooper directed the state Department of Environmental Quality along with the state Department of Health and Human Services to launch an investigation into Chemours' discharge of the compound known as GenX. Governor Cooper and his administration were successful in getting Chemours' to stop the release of GenX. Since then, the level of GenX in the water has been trending downward and tests are ongoing to ensure the levels continue to move in that direction.

Today in Wilmington, after meeting with local, state and federal officials, Governor Cooper announced next steps that the state will take to protect the drinking water in North Carolina and to get answers for people in the Lower Cape Fear. Below is a recap of those next steps.

#### **SBI Investigation**

Governor Cooper has directed the State Bureau of Investigation's Diversion and Environmental Crimes Unit to assess whether a criminal investigation is warranted. The SBI will work with its partners at the state Department of Environmental Quality and federal EPA to determine if there is evidence of criminal violations of the permit or the federal consent order that is in place.

#### **Denial of Chemours' Permit Application**

Chemours is in the process of applying for a new NPDES (National Pollutant Discharge Elimination System) permit, a federal permit program that controls water pollution and is managed by North Carolina DEQ. Today, Governor Cooper announced that DEQ will deny Chemours' permit request to release GenX, issuing a new draft permit that prevents GenX release. Acknowledging the potential for other possibly harmful compounds, Chemours' draft permit will include a clause authorizing the state to quickly re-open the permit if needed to regulate and enforce levels of any of emerging compounds based on new scientific findings.

### **Public Health Assessment**

Governor Cooper spoke with the Director of the Centers for Disease Control and Prevention, Dr. Brenda Fitzgerald, to request a public health assessment to review any potential long-term health effects of GenX. Chemours disclosed that they have been discharging GenX as a byproduct from another manufacturing process since 1980. The CDC has the expertise needed to conduct complex exposure modeling that will give citizens a better understanding of any potential health risks from the last 30 years. Dr. Fitzgerald told the governor the CDC will begin these studies. Local, state and federal authorities will need to work together to provide all available data to the CDC.

### **Engaging the EPA**

Governor Cooper has spoken directly with EPA Administrator Scott Pruitt to request that the EPA move swiftly on completing a health assessment to help set regulatory standards. They also discussed the consent order that allowed Chemours to release GenX in the first place, and the EPA is looking into whether that order needs to be updated and tightened.

### **Science Advisory Board**

Governor Cooper acknowledged that GenX is not the only compound that could potentially affect water quality. To tackle issues surrounding unregulated emerging compounds and overall water safety, Governor Cooper is expanding the scope of the reconstituted Science Advisory Board to review the research and assist the state in addressing water quality.

### **Enhance Disclosure and Monitoring**

North Carolina DEQ will make changes to its permit application process that require companies to disclose more information about the unregulated pollutants they release. DEQ will also require additional monitoring of unregulated pollutants for the purposes of developing water quality standards and improved transparency. The results of additional monitoring will be shared with DEQ and DHHS on a regular basis.

### **Investing Resources to Prioritize Safe Water**

Governor Cooper highlighted the need for more state experts to work on protecting North Carolina's water. He announced that when the legislature returns in August, he will push legislation with specific requests to the General Assembly for enhanced staffing to handle water safety.

For DEQ that will include a request for more inspectors, engineers, environmental specialists and chemists; resources to conduct long term GenX sampling; and a reversal of this year's harmful budget provisions that required over \$1 million in budget cuts. For DHHS that will include a request for resources to establish a Water Health Safety Unit in the Division of Public Health that would include two senior scientists, a data analyst and a health educator.

### **Bottom Line**

As Governor Cooper said in Wilmington today, he has directed state employees to work on this issue as though their own family members were drinking this water every day. The safety of drinking water – not just in Wilmington, but statewide – is a top priority for Governor Cooper, and he will continue to push for answers and solutions. The governor expects to be back in the Lower Cape Fear region in the coming weeks, and will continue to stay updated through regular briefings.

This message sent to [jordan.whichard@nc.gov](mailto:jordan.whichard@nc.gov) from [govpress@nc.gov](mailto:govpress@nc.gov)

Governor Cooper's Press Office  
Governor Cooper's Press Office  
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